

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8673 (1977): Farrier's Chisels with Handle [PGD 6: Earth, Metal And Wood Working Hand Tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

## SPECIFICATION FOR FARRIER'S CHISELS WITH HANDLE

1. **Scope** — Covers requirements for farrier's chisels with handle.
2. **Dimensions** — See Fig. 1.
3. **Material** — Suitable carbon steel meeting the requirements laid down in 4 and 6.

*Example:*

T80Mn65 and T80 of IS : 3749-1966 ' Specification for tool and die steels for cold work '.

4. **Hardness** — Up to 6 mm of the cutting edge 550 to 650 *HV* ( $\approx$  52 to 58 *HRC*).
5. **Manufacture** — The chisels shall be clearly forged and shall be free from flaws, seams, brittleness and other defects. They shall be finished smooth all over. The cutting edges shall be suitably hardened, tempered and ground true and ready for use.

### 6. Tests

**6.1 Flaw Test** — The chisels shall be tested by the magnetic or any other recognized flaw detection method, or if the necessary equipment is not available, the cutting edge of each chisel while resting on a lead block shall withstand, without fracture or damage, 20 light blows with a 200 g hammer.

**6.2 Performance Test** — The chisels held firmly and vertically with the cutting edge downwards on a mild steel block, having a thickness of 25 mm minimum and of hardness 210 to 225 *HV* ( $\approx$  200 to 215 *HB*) shall be given 20 hammer blows on the head with a 500 g hammer. On completion of this test, the head shall not become mushroomed, the cutting edge shall not show any signs of damage or loss of cutting efficiency and the shank shall not show any deformation.

**7. Preservation and Packing** — The body and the ground portion of the chisels shall be given anti-corrosive treatment. They shall be securely packed with suitable packing of the size convenient for handling in transit.

### 8. Sampling

**8.1 Lot** — In any consignment, all the chisels of the same type and manufactured from the same material under essential similar conditions of manufacture shall be grouped together to constitute a lot.

**8.2** Unless otherwise agreed to between the buyer and the seller the procedure given in IS : 2500 (Part I)-1973 ' Sampling inspection tables: Part I Inspection by attributes and by count of defects (first revision) ' shall be followed for sampling inspection. The sampling plan given in 8.2.1 and 8.2.2 shall be followed for various characteristics.

**8.2.1** For inspection for dimensions and manufacture the sampling plan corresponding to inspection level IV and acceptable quality level (AQL) of 4 percent given in Table 1 and 2 of IS : 2500 (Part I)-1973 shall be followed.

**8.2.2** For hardness, flaw test and performance test the sampling plan corresponding to inspection level I and AQL 2.5 percent given in Table 1 and 2 of IS : 2500 (Part I)-1973 shall be followed.

**9. Marking** — Each chisel shall be clearly and legibly marked with the manufacturer's name, initials and/or recognized trade-mark.

**9.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

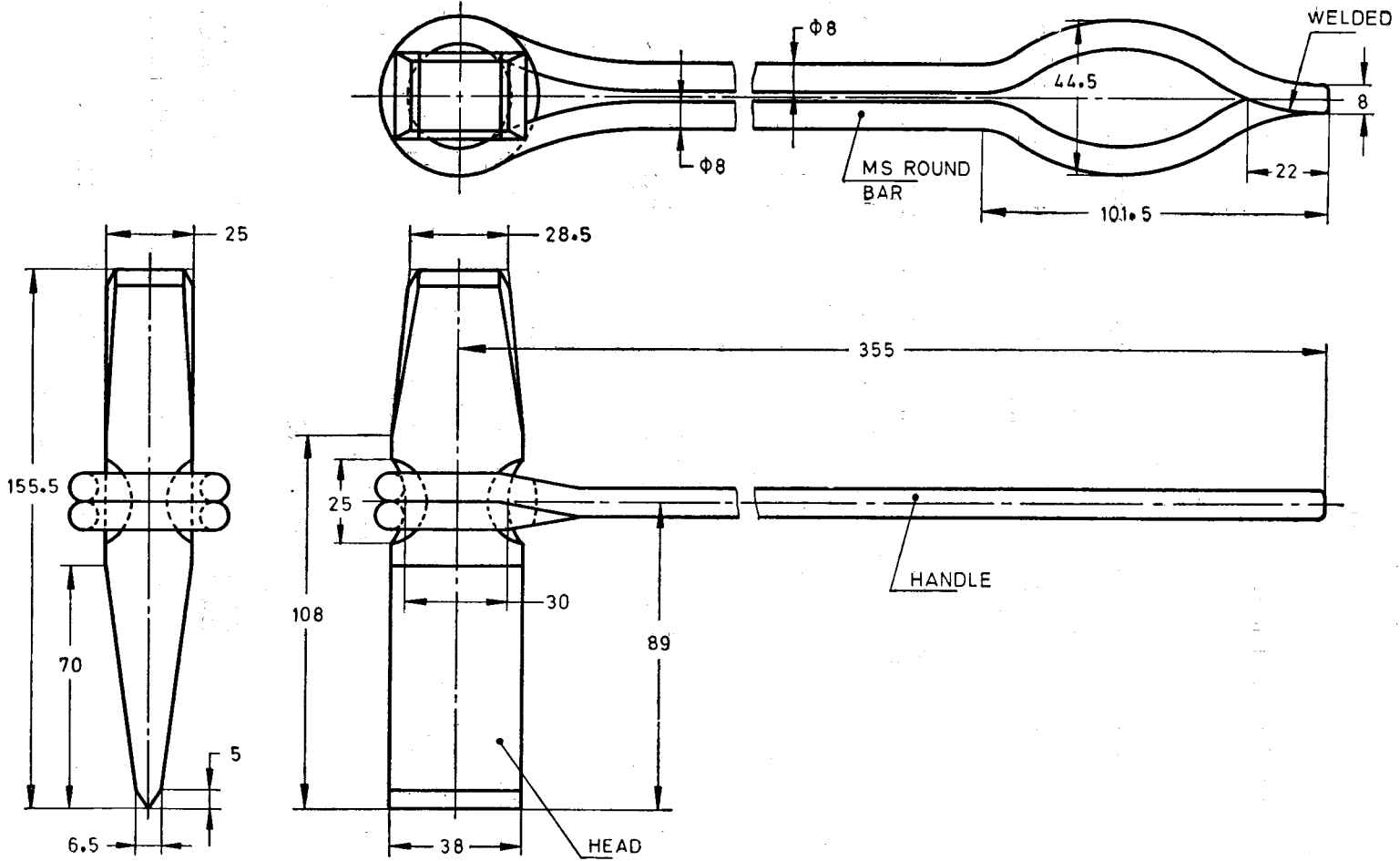
### EXPLANATORY NOTE

This standard has been prepared on the basis of the information supplied by the Government of India, Ministry of Defence, Controllerate of Inspection General Stores, Kanpur.

Adopted 12 December 1977

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All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR FARRIER'S CHISELS WITH HANDLE